

TECHNICAL DATA SHEET



Ceramic Fiber Bulks

Ceramic Fiber Bulks are manufactured to be used as feedstock in manufacturing processes or other applications made of high purity composite raw materials, melted in the resistance furnaces and processed by blowing or spinning technology.

Classification Temperature: 1050°C, 1260 °C, 1360°C, 1400°C, 1430 °C

Application

- Kiln Car filling
- Chimney filling
- Kiln roller filling
- High temperature filter medium
- Expansion joint filling
- Feedstock blanket, board, paper and textile.
- Feedstock for fiber spraying, castables and coatings

Features:

- Low thermal capacity
- Low thermal conductivity
- Excellent thermal stability
- Heat resistance
- Chemical resistance
- Excellent sound absorption

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Main Properties

Items	STD RCF Bulk	HP RCF Bulk	TEXTILE BULK	CHOPPED BULK	HZ RCF BULK
Fiber Diameter (um)	3~5				
Shot content($\Phi \geq 0.212$ mm) (%)	≤ 15	≤ 15	≤ 12	($\Phi \geq 100$ mesh) ≤ 10	≤ 12
Chopped Length mm(inch)	203(8)	203(8)	203(8)	203(8)	203(8)
Al ₂ O ₃	≥ 44	≥ 45	≥ 45	≥ 45	≥ 34
Al ₂ O ₃ +SiO ₂	≥ 96	≥ 99	≥ 99	≥ 99	≥ 84
ZrO ₂					≥ 15
Fe ₂ O ₃	< 0.5	< 0.5	≤ 0.3		≤ 0.3
Na ₂ O+K ₂ O+Fe ₂ O ₃	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Classification Temperature(°C)	1260	1260	1260	1260	1430
Melting Temperature(°C)	1425	1575	1575	1575	1750
Thermal conductivity (W/m.k)					
200°C	0.06	0.07	0.06	0.06	0.075
400°C	0.09	0.10	0.10	0.10	0.11
500°C	0.118	0.118	0.118	0.118	0.14
600°C	0.150	0.150	0.150	0.150	0.168
Color	White/even				
Packaging	Plastic bag inside, woven bag outside or with Vacuum bag				

The data shown above is average results of test under standard procedures. There shall be some adjustment in normal mass manufacturing. For more information on the safety application or materials, please refer to the work practices and material safety data sheet.